

**To:** [Ex. 6 - Personal Privacy]@TechLawInc.com]; [Ex. 6 - Personal Privacy]@TechLawInc.com]  
**From:** Linden, melissa  
**Sent:** Tue 1/28/2014 8:55:11 PM  
**Subject:** FW: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

Please add to site file with the map of soil sample results from CRA

Thanks,

Melissa

**From:** Dorsey, Mike H [mailto:Mike.H.Dorsey@wv.gov]  
**Sent:** Tuesday, January 28, 2014 3:35 PM  
**To:** Linden, melissa; Matlock, Dennis  
**Subject:** FW: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

See below.

**From:** Bluedorn, Donald [mailto:DBluedorn@babstcalland.com]  
**Sent:** Tuesday, January 28, 2014 3:27 PM  
**To:** Dorsey, Mike H  
**Cc:** Hickman, Joseph M; Mandirola, Scott G; Musser, Cynthia J; Bandy, Jeremy W; Blankenship, Anne  
**Subject:** RE: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

Mike:

I don't have a complete data package and I'm still working with CRA to clarify the data (we only requested a summary from them). But, here is what I can provide at the moment. Note that you are correct for these data – all of these results were in mg/kg, not mg/l as reported on the summary. I'm very sorry about the confusion.

Sample Location

Constituent

Reported PQL

SB-1, SB-2, SB-3	1,4 Cyclohexanedimethanol	0.33 mg/kg
SB-4 (0-2.5) (2.5-5)	4-(Methoxymethyl)cyclohexane	1.7 mg/kg
SB-5	4-Methylcyclohexanemethanol	1.7 mg/kg
	Dimethyl-1,4cyclohexanedicarbo	0.33 mg/kg
	Methyl-4-methylcyclohexanecar	0.33 mg/kg
SB-4 (5-7.5) (7.5-10)	1,4 Cyclohexanedimethanol	16.50 mg/kg
(10-12.5) (12.5-15)	4-(Methoxymethyl)cyclohexane	85.0 mg/kg
(15-17.5)	4-Methylcyclohexanemethanol	85.0 mg/kg
	Dimethyl-1,4cyclohexanedicarbo	16.50 mg/kg
	Methyl-4-methylcyclohexanecar	16.50 mg/kg

Note that CRA did not include the data for the deeper levels in SB-4 (all of which were ND) in the summary, presumably because the matrix interferences were so high that CRA did not feel comfortable with the ND result.

We will be working with CRA over the next day or so to clarify the detection levels for the other data, and of course CEC will be collecting water quality samples per the approved workplan.

Thanks,

Don

**Donald C. Bluedorn II**

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**From:** Dorsey, Mike H [<mailto:Mike.H.Dorsey@wv.gov>]

**Sent:** Tuesday, January 28, 2014 2:06 PM

**To:** Bluedorn, Donald

**Cc:** Hickman, Joseph M; Blankenship, Anne; Mandirola, Scott G; Musser, Cynthia J; Bandy, Jeremy W

**Subject:** Re: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

Don,

What is the detection limit on the method that was used? Also the results are in mg/liter when the samples were solid. Dis you mean mg/kilogram?

Mike

Sent from my iPhone

On Jan 27, 2014, at 5:57 PM, "Bluedorn, Donald" <[DBlueborn@babstcalland.com](mailto:DBlueborn@babstcalland.com)> wrote:

Thanks, Joe. I'll work on the confirmation now.

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**Donald C. Bluedorn II**

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**From:** Hickman, Joseph M [<mailto:Joseph.M.Hickman@wv.gov>]  
**Sent:** Monday, January 27, 2014 5:55 PM  
**To:** Bluedorn, Donald  
**Cc:** Blankenship, Anne; Mandirola, Scott G; Dorsey, Mike H; Musser, Cynthia J; Bandy, Jeremy W  
**Subject:** RE: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

Don,

Based on our discussions at the Freedom site on January 21 as well as our phone call and review of this document this morning, WVDEP approves the implementation of this sampling and intermediate remedial measures plan.

I must stress the importance of making accurate determinations regarding the absence of contaminants in any run-on water flows before such flows are considered for diversion around or away from the site. Additionally, it is imperative that adequate controls be maintained regarding any potentially contaminated surface water that will be generated during the expected snow melt and precipitation that is forecast to occur.

Cindy Musser informs me that during her walkthrough of the facility this morning with Mike Dorsey and the CEC folks, imminent actions regarding the extension of the interceptor trench, installation of an underdrain therein, and the installation of 2 recovery wells inside the secondary containment area in the vicinity of tank 393 have been verbally agreed to, and the initiation of sampling activities has been deferred until Wednesday January 29, due to the weather. Please confirm that this is your understanding also.

The WVDEP inspectors on-site, will be prepared to split samples with the CEC personnel as those activities commence.

Thank you.

Joe Hickman

Asst. Chief Inspector

WVDEP Environmental Enforcement

**From:** Bluedorn, Donald [<mailto:DBluedorn@babstcalland.com>]  
**Sent:** Monday, January 27, 2014 9:27 AM  
**To:** Hickman, Joseph M; Mandirola, Scott G; Dorsey, Mike H  
**Cc:** Blankenship, Anne  
**Subject:** RE: Freedom Industries - Draft Water Quality Sampling and Interim Remedial Measures Workplan

Joe, Scott and Mike:

Attached for discussion during this morning's 10:30 a.m. call is the Draft Water Quality Sampling and Interim Remedial Measures Workplan.

Mike – Anne Blankenship will bring 15 copies of the draft workplan to the Freedom office for the call. Please forward it via email to any agency personnel that are participating via phone.

Thanks,

Don

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**Donald C. Bluedorn II**

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